

NovelOrg Inc.
655, boul. Jean-Paul Vincent #8
Longueuil (Québec) Canada
J4G 1R3



Téléphone : 450-646-3131
Télécopieur : 450-646-3132
www.novelorg.com

Installation of the keyboard Hall Effect Sensor Cards T0039

This document show how to install the Hall Effect Sensor Cards
T0039 at the keyboards

The T0039 Key Sensor Board

The movement of the keys of the keyboards is carried out using the electronic board T0039 and permanent magnets fixed on adjustable screws. Each key of the keyboard need a screw with permanent magnet.

The T0039 key Sensor board is an electronic board which comprises Hall Effect sensors. The reading of a full keyboard requires the installation of two T0039 units. The T0039-G and the T0039-A.

- 1) The T0039-G unit detects the movement of the 29 first bass notes.
- 2) The T0039-A unit detect the movement of the treble notes. The T0039-A has a maximum of 32 sensors. The T0039-A varies in length according to the number of key of the keyboard. It can adapt to keyboards of 54, 56, 58 and 61 keys.

The T0039 key sensor board offer 3 standard scales:

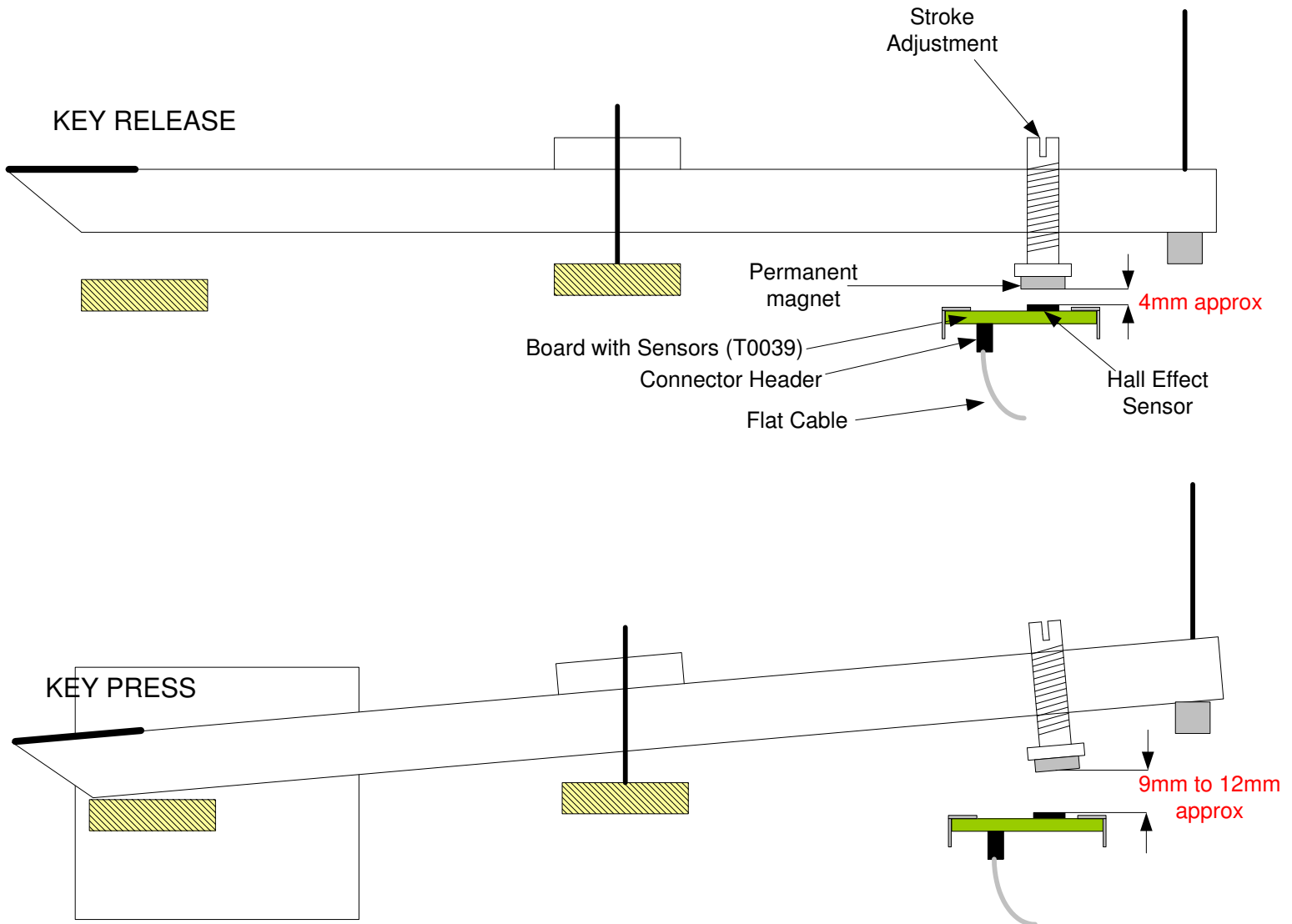
- AGO Scale.
- Piano Scale (BDO).
- Old Organ Scale.

The T0039 key sensor board is installed under the keyboard on a rigid aluminum support so that it does not bend. The rigid aluminum support is provided by NovelOrg.

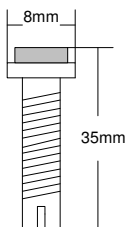
Drawing of two typical installation

The next section show drawings of two typical installations so it is possible to figure out how much space it take between keyboards to install the T0039 key sensor cards.

Key Sensors Installation Drawing A



Screw dimensions



Note: NovelOrg will provide the Screws with permanent magnets

Key Sensors Installation Drawing B

